

## Abstract

In one exemplary embodiment, an automated means for storing, dispensing and orienting injectable drug vials for a robotic application is provided and includes a plurality of automated syringe preparation stations is provided. The drug vial stores the medication that is either in solid form and thus needs to be reconstituted into the injectable drug or the vial can contain medication that was already been previously reconstituted and is ready for delivery to the syringe. The automated means includes a robotic vial gripper device for holding and transferring one vial from one station to a next station of the robotic application; and a detector that determines whether the vial is in a correct orientation throughout one or more stations of the robotic application.